IN THE CLAIMS

Please take action regarding the claims so that the status is as follows:

1. (Previously Presented) An electrical power supply system for an electrically powered motor vehicle, said vehicle including an electric motor, a transmission device for transmitting energy between the drive wheels and the motor, and electrical accessories, in particular an air-conditioning device, said system comprising a first rechargeable battery serving to power the electric motor and a second rechargeable battery serving to power the electrical accessories of the vehicle, said system being characterized in that the first battery and the second battery are connected in parallel to said motor via a switch device, said switch device being arranged to conduct ~~switch the~~ current for powering the motor from the first and ~~battery to the~~ second batteries ~~battery and conversely~~ as a function of a first ~~at least one~~ energy threshold, said first energy threshold being a predetermined value for which the energy delivered by the first battery only is not sufficient for accelerating ~~the motor to have the power necessary to move~~ the vehicle, and said switch device conducting current from the second battery only to the motor as a function of a second energy threshold, said second energy threshold lower than the first energy threshold.

2. (Previously Amended) A system according to claim 1, wherein the first battery is a battery of the Lithium-ion or Lithium-ion-polymer type.

3. (Previously Amended) A system according to claim 1, wherein the second battery is a battery of the Lithium-metal-polymer type.

4. (Previously Amended) A system according to claim 1, wherein the first battery is capable of delivering power in the range of 40 kW to 55 kW.

5. (Previously Amended) A system according to claim 1, wherein the second battery is capable of delivering power of about 15 kW.

6. (Currently amended) A method of controlling an electrical power supply system for an electric ~~electrically powered~~ motor for driving a vehicle according to claim 1, wherein:

- when the energy delivered by the first battery is greater than a discharge energy threshold, providing power to the ~~to cause the~~ motor from ~~to be powered by~~ the first battery so as to drive the drive wheels via the transmission device; and
- sensing ~~when~~ the energy delivered by the first battery, and when said first battery energy delivered is less than the discharge energy threshold, activating ~~to activate~~ the switch device ~~so as~~ to conduct current to ~~cause~~ the motor from ~~to be powered by~~ the second battery, ~~and so as~~ to drive the wheels via the transmission device.

7. (Currently Amended) A method according to claim 6, wherein:

- when the energy necessary for the motor is greater than a low energy threshold, activating the switch device to conduct current to ~~cause~~ the motor from ~~to be powered by~~ the first battery ~~so as~~ to drive the drive wheels via the transmission device; and
- when the energy necessary for the motor is less than the low energy threshold, activating ~~to activate~~ the switch device to provide power to ~~so as to cause~~ the motor from ~~to be powered by~~ the second battery ~~and so as~~ to drive the wheels via the transmission device.

8. (Currently Amended) A method according to claim 6, including the steps of:

sensing ~~wherein it further includes in acting, in the event of~~ deceleration of the vehicle, ~~to cause~~ and

while sensing deceleration, activating the switch device to distribute ~~be activated so as to deliver a~~ recharging current to the first and second batteries ~~battery~~ from ~~by transmission of energy from the wheels to~~ the motor as a function of the allowable charging rates for the first and second batteries.

9. (Canceled)

10. (New) A method according to claim 7, including the steps of:

sensing deceleration of the vehicle, and

while sensing deceleration, activating the switch device to distribute ~~a~~ recharging current to the first and second batteries from the motor as a function of the allowable charging rates for the first and second batteries.

11. (New) The system of claim 1, wherein the switch device conducts current to the motor from the first battery when the motor energy exceeds a third threshold value less than the first energy threshold and greater than the second energy threshold.